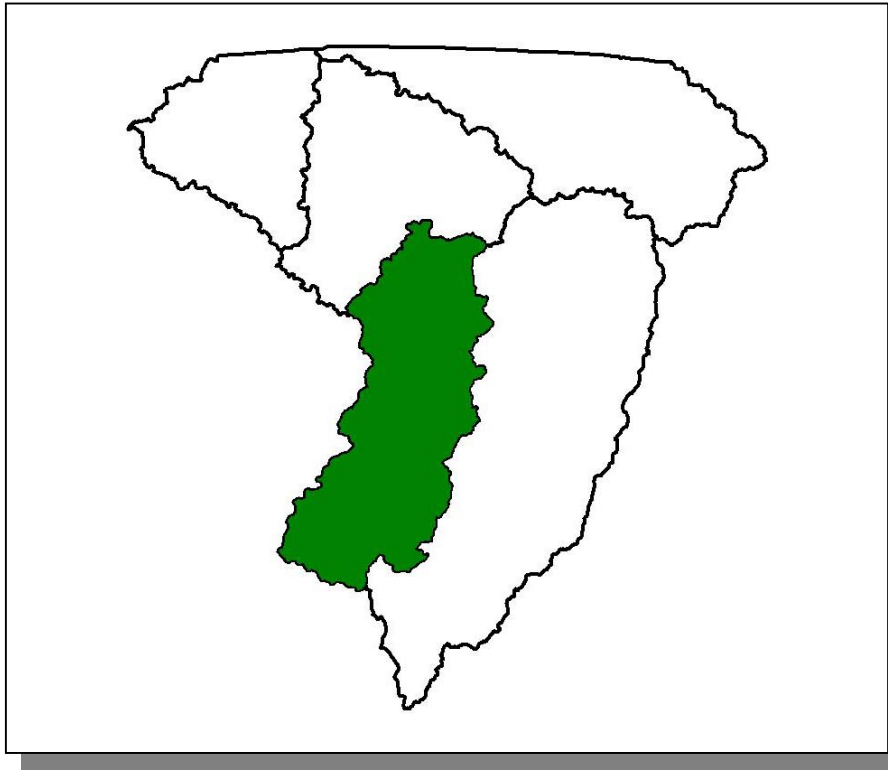
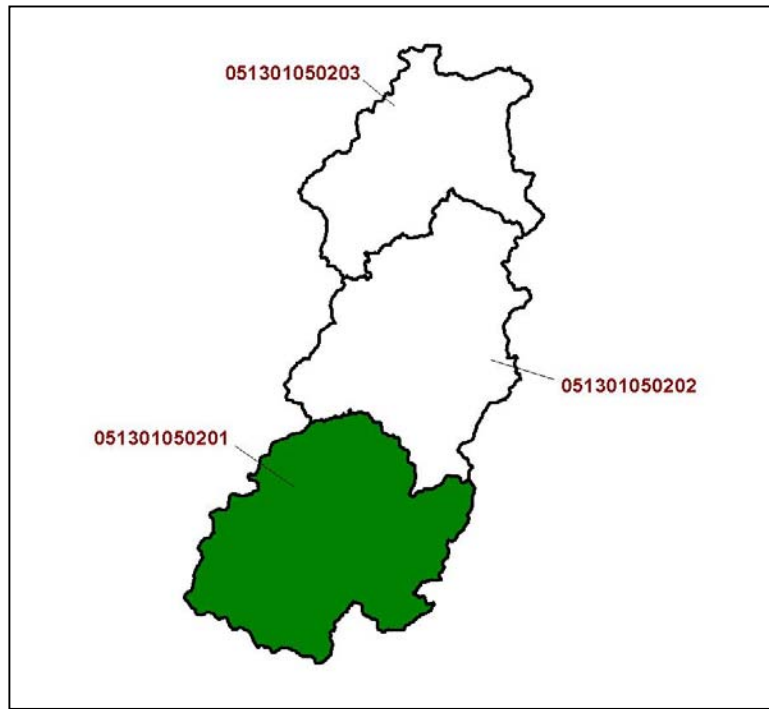


**4.2.B. 0513010502.**

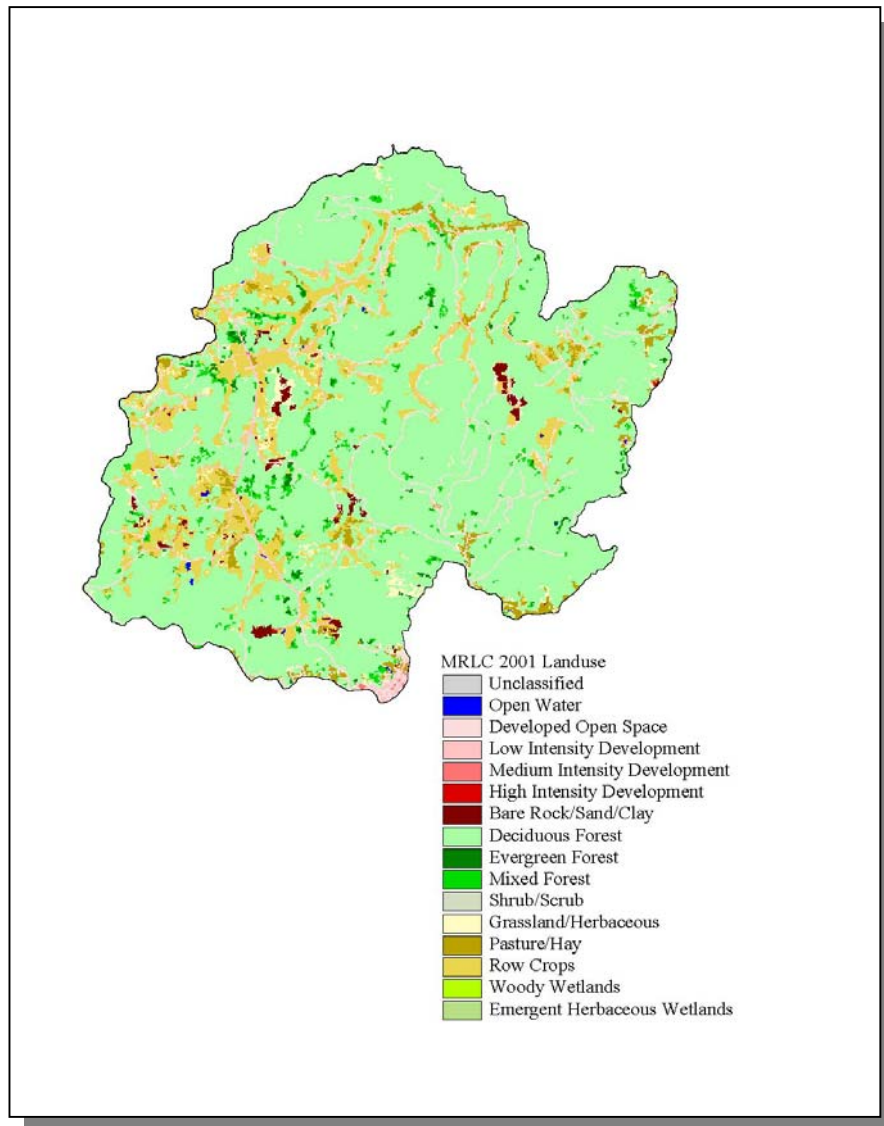


**Figure 4-58. Location of Subwatershed 0513010502.** All Obey River HUC-10 subwatershed boundaries in Tennessee are shown for reference.

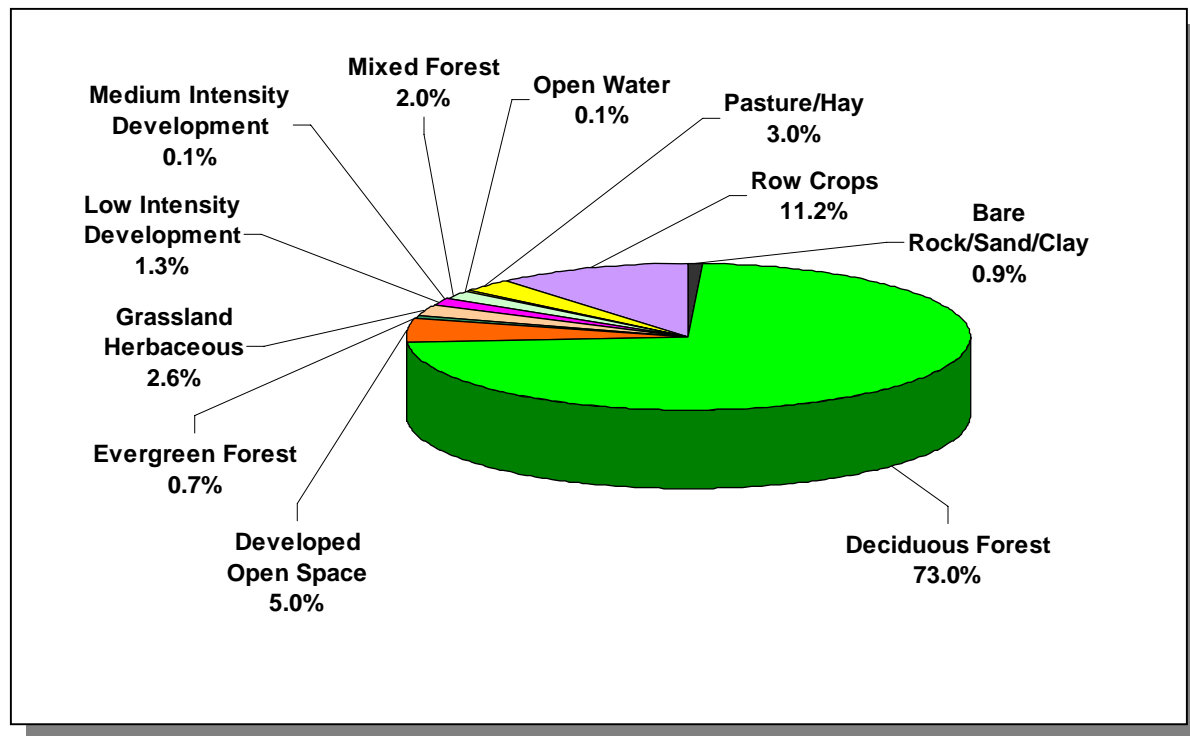
**4.2.B.i. 051301050201 (West Fork Obey River).**



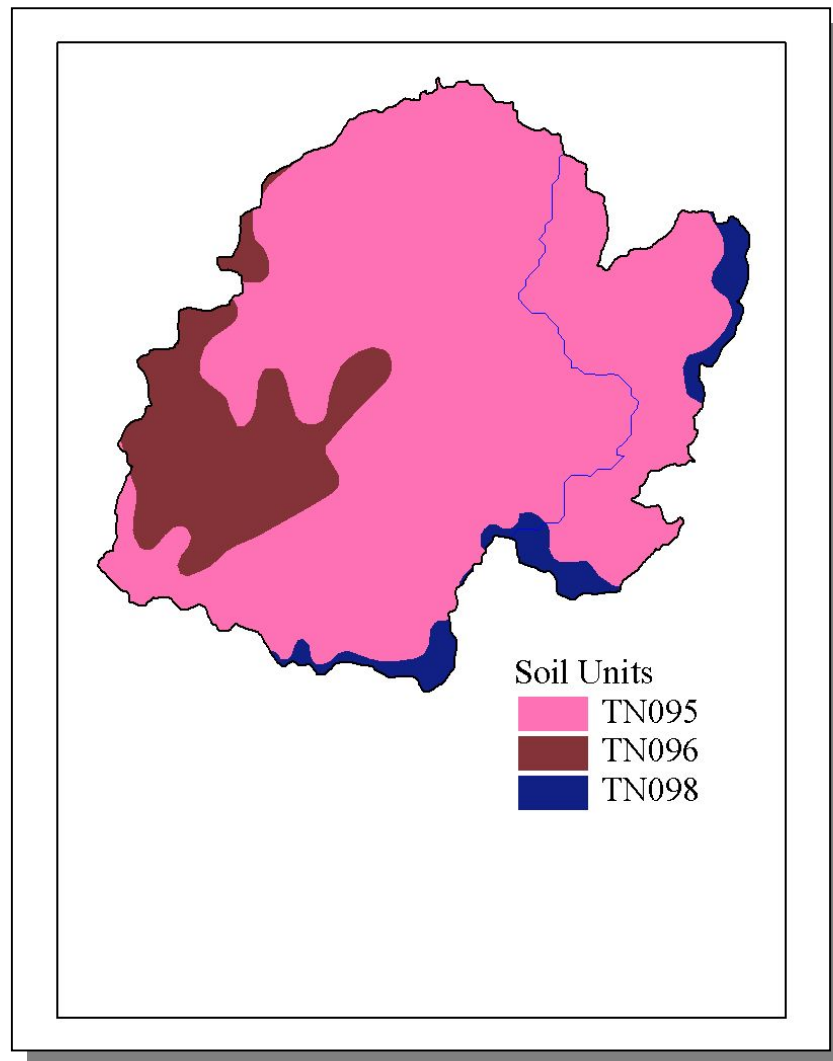
**Figure 4-59. Location of Subwatershed 051301050201.** All Obey River HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-60. Illustration of Land Use Distribution in Subwatershed 051301050201.**



*Figure 4-61. Land Use Distribution in Subwatershed 051301050201. More information is provided in Appendix IV.*



**Figure 4-62. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050201.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN095	0.00	B	2.35	5.12	Loam	0.31
TN096	10.00	C	1.22	5.16	Silty Loam	0.38
TN098	1.00	C	2.98	4.82	Loam	0.32

**Table 4-57. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050201.** The definition of "Hydrologic Group" is provided in Appendix IV.

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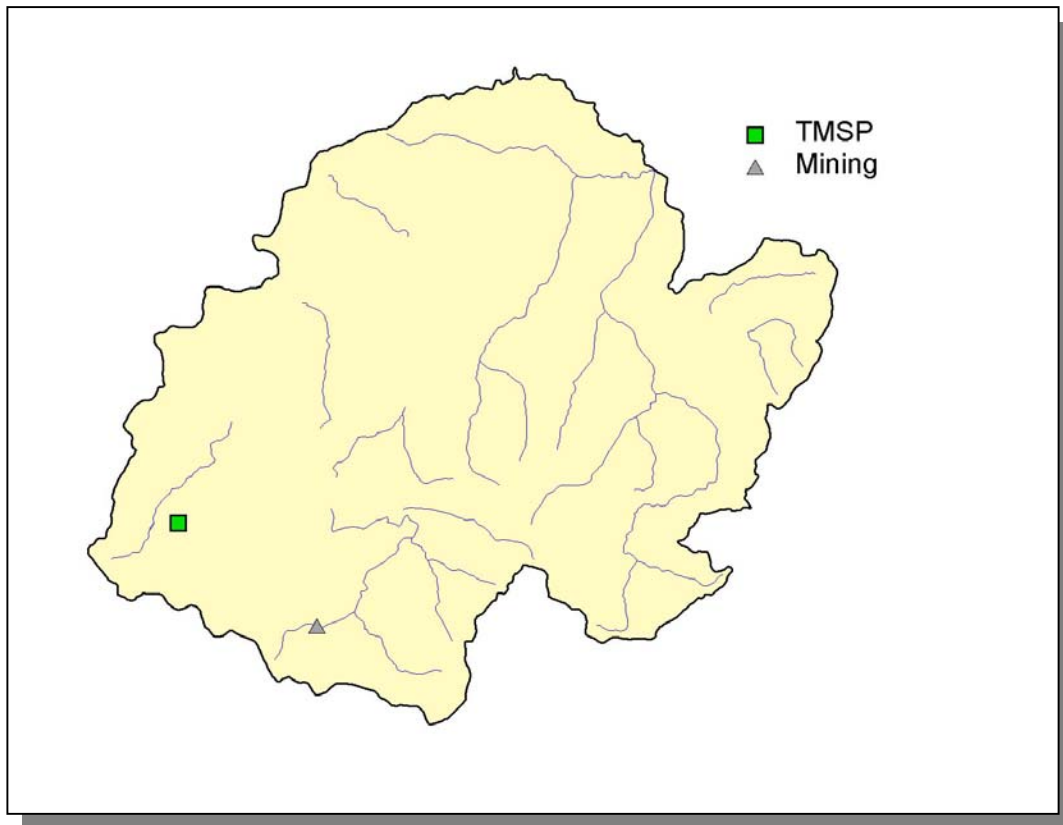
County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Overton	17,636	19,171	20,118	10.14	1,789	1,945	2,041	14.1
Putnam	51,373	58,326	62,315	3.41	1,753	1,990	2,127	21.3
<b>Total</b>	<b>69,009</b>	<b>77,497</b>	<b>82,433</b>		<b>3,542</b>	<b>3,935</b>	<b>4,168</b>	<b>17.7</b>

*Table 4-58. Population Estimates in Subwatershed 051301050201.*

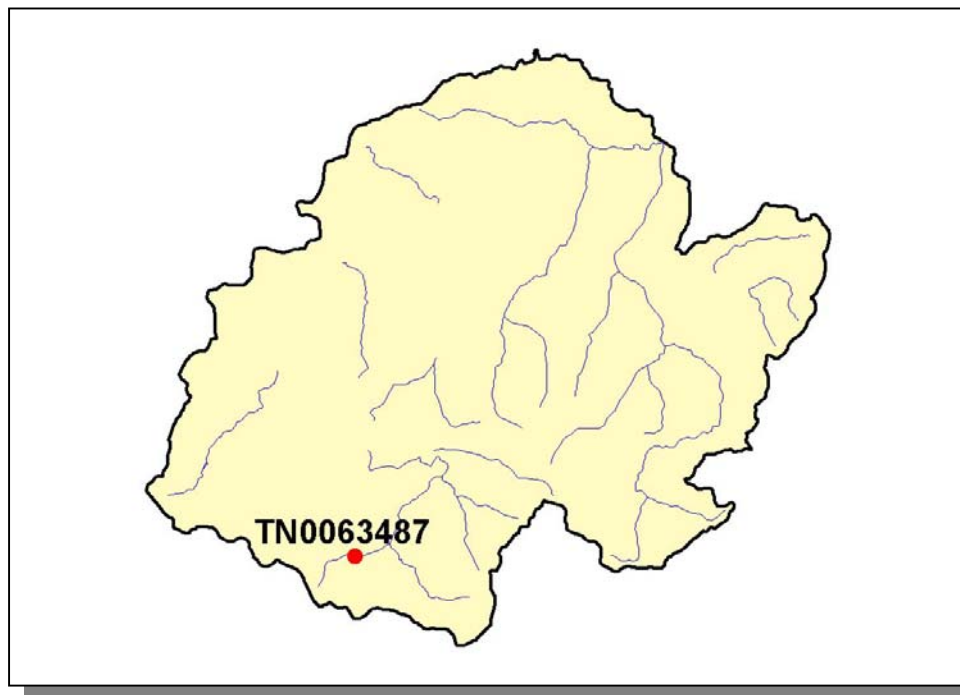
			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Monterey	Putnam	2,559	1,113	875	228	10

*Table 4-59. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 051301050201.*

**4.2.B.i.a. Point Source Contributions.**



**Figure 4-63. Location of Permits Issued in Subwatershed 051301050201.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-64. Location of Active Mining Sites in Subwatershed 051301050201.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-65. Location of TMSP Sites in Subwatershed 051301050201.** More information, including the names of facilities, is provided in Appendix IV.



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**4.2.B.i.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
859	1,613	70	<5	54	<5

**Table 4-60. Summary of Livestock Count Estimates in Subwatershed 051301050201.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Overton	15,150	27,812	1,200	1,173	811	59
Putnam	12,592	24,817	1,095	1,025	1,070	66

**Table 4-61. Summary of Livestock Count Estimates in Overton and Putnam Counties.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

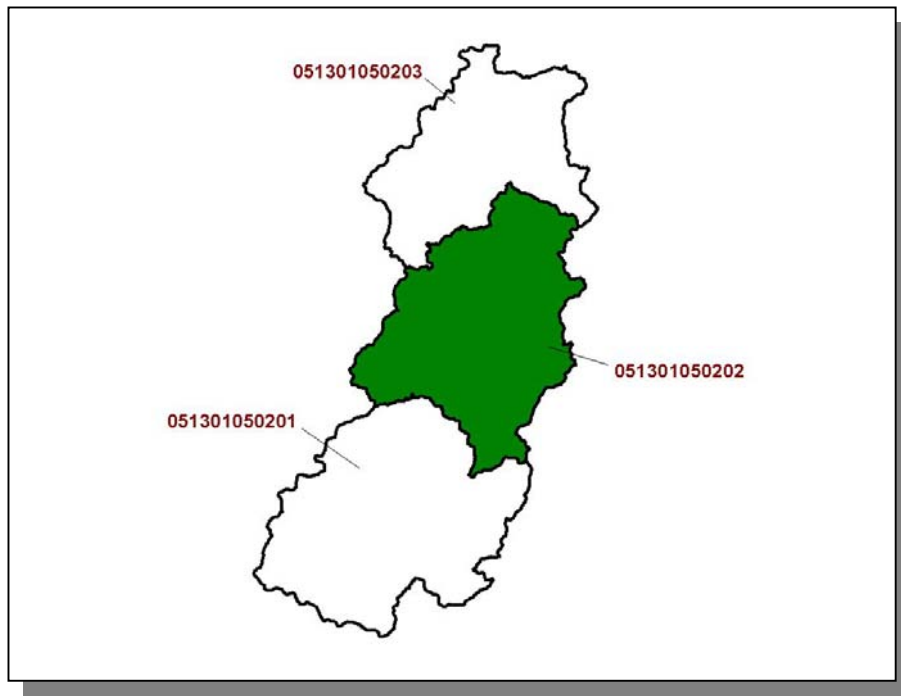
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Overton	170.3	170.3	1.7	7.0
Putnam	152.5	152.3	3.6	16.4

**Table 4-62. Forest Acreage and Annual Removal Rates (1987-1994) in Overton and Putnam Counties.**

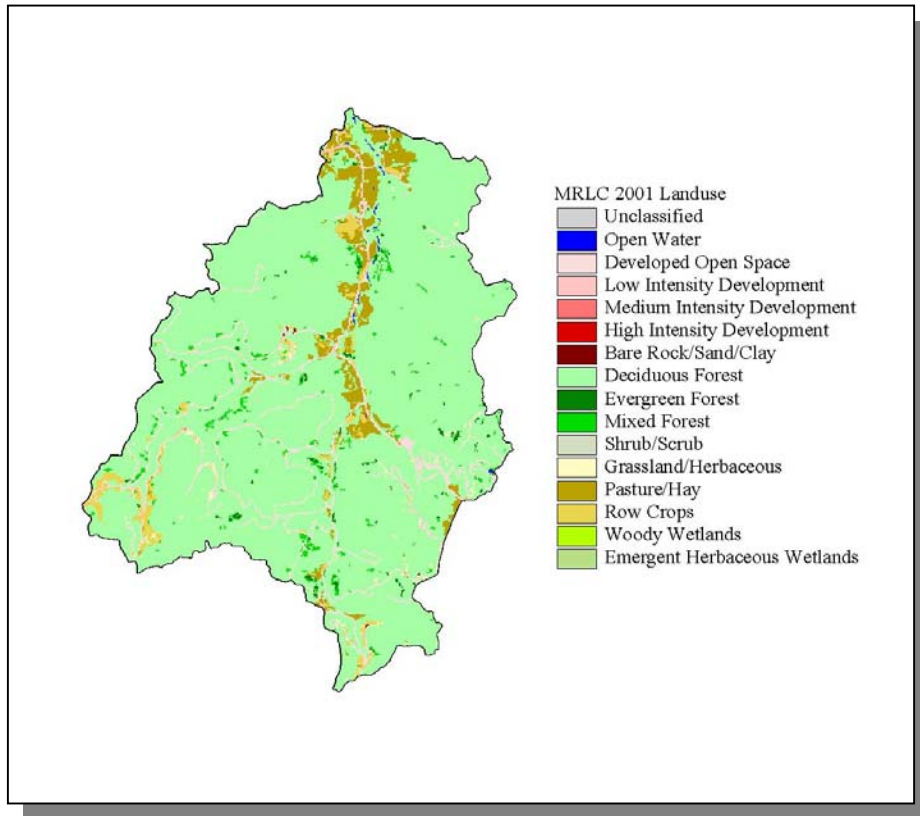
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.65
Grass (Hayland)	0.62
Legumes, Grass (Hayland)	2.35
Legumes (Hayland)	0.23
Grass, Forbs, Legumes (Mixed Pasture)	0.74
Corn (Row Crops)	4.35
Soybeans (Row Crops)	10.79
Tobacco (Row Crops)	12.38
Wheat (Close-Grown Cropland)	7.00
Other Vegetable and Truck Crops	19.82
Conservation Reserve Program Lands	0.46
Farmsteads and Ranch Headquarters	0.50

**Table 4-63. Annual Estimated Total Soil Loss in Subwatershed 051301050201.**

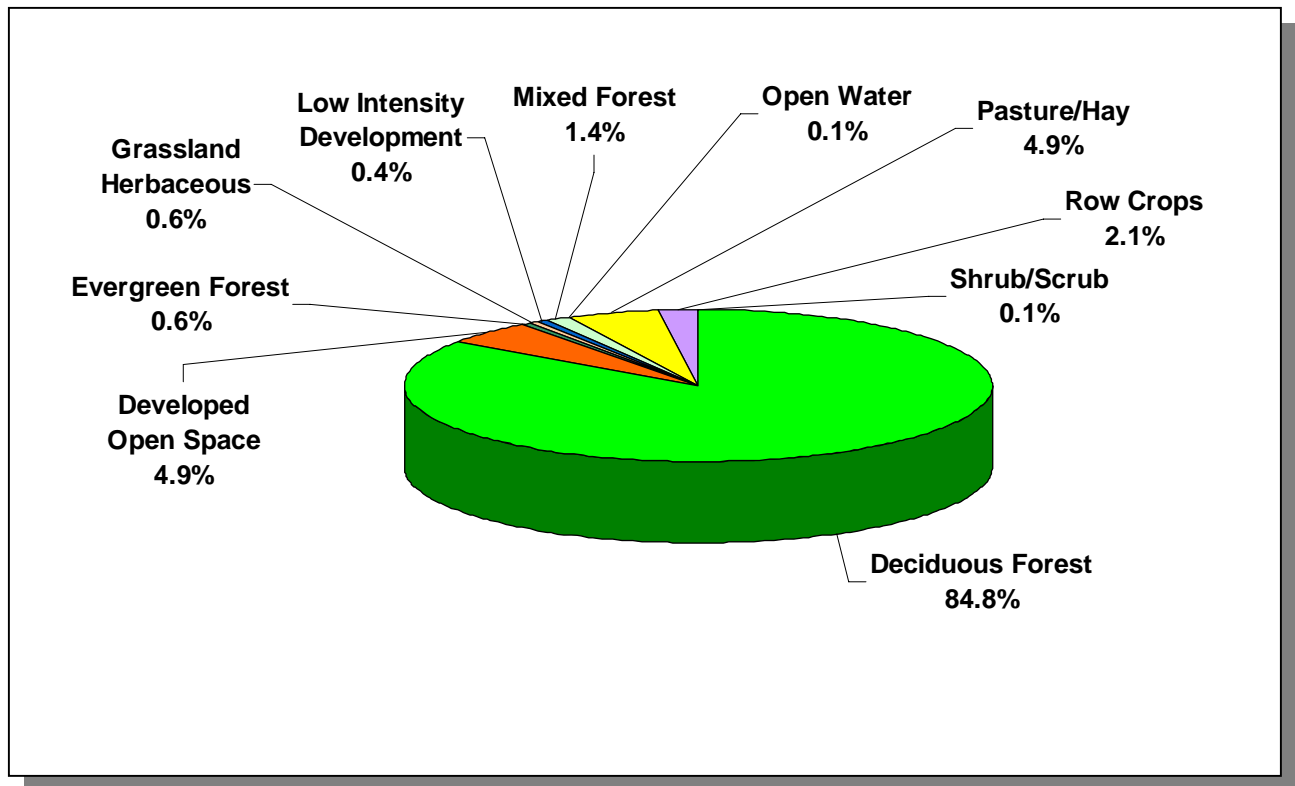
**4.2.B.ii.** 051301050202 (West Fork Obey River).



**Figure 4-66. Location of Subwatershed 051301050202.** All Obey River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

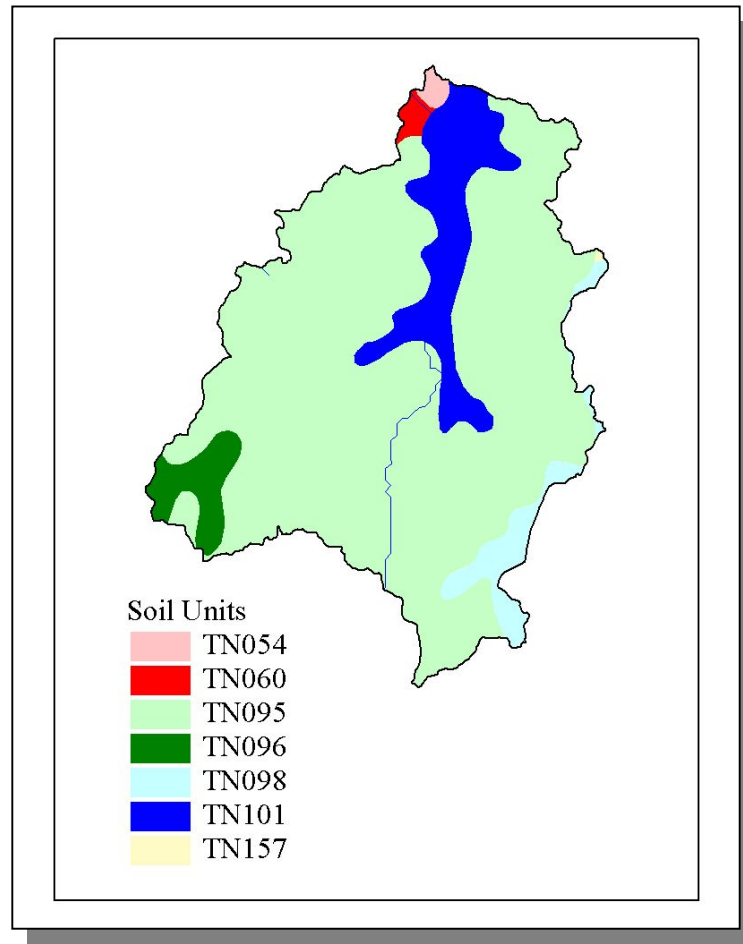


**Figure 4-67. Illustration of Land Use Distribution in Subwatershed 051301050202.**



**Figure 4-68. Land Use Distribution in Subwatershed 051301050202.** More information is provided in Appendix IV.

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**Figure 4-69. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050202.**

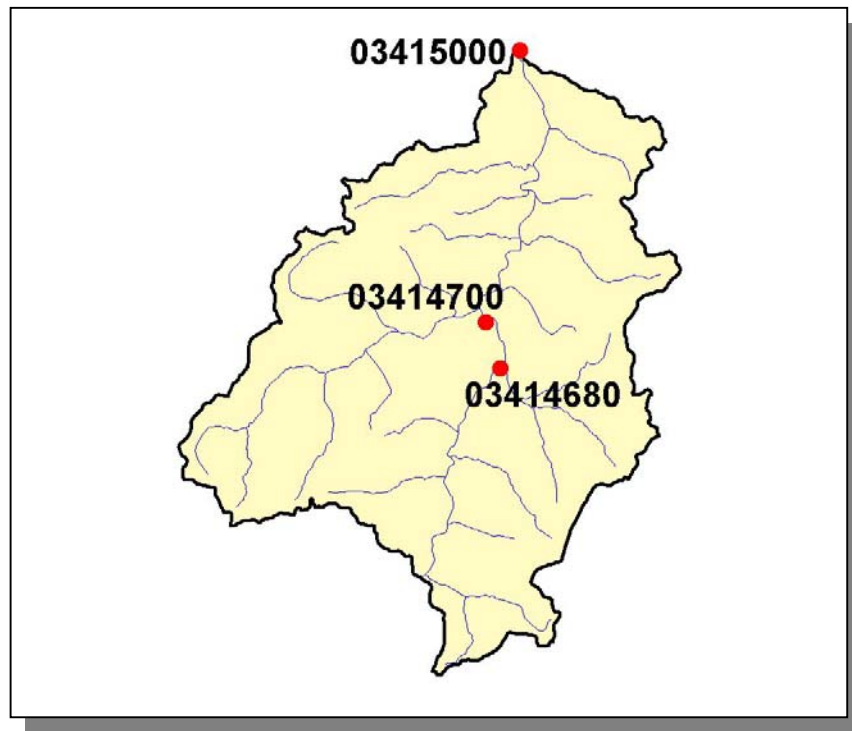
STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN095	0.00	B	2.35	5.12	Loam	0.31
TN096	10.00	C	1.22	5.16	Silty Loam	0.38
TN098	1.00	C	2.98	4.82	Loam	0.32
TN101	0.00	B	1.71	5.39	Loam	0.35
TN157	0.00	B	2.38	4.62	Loam	0.28

**Table 4-64. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050202.** The definition of "Hydrologic Group" is provided in Appendix IV.

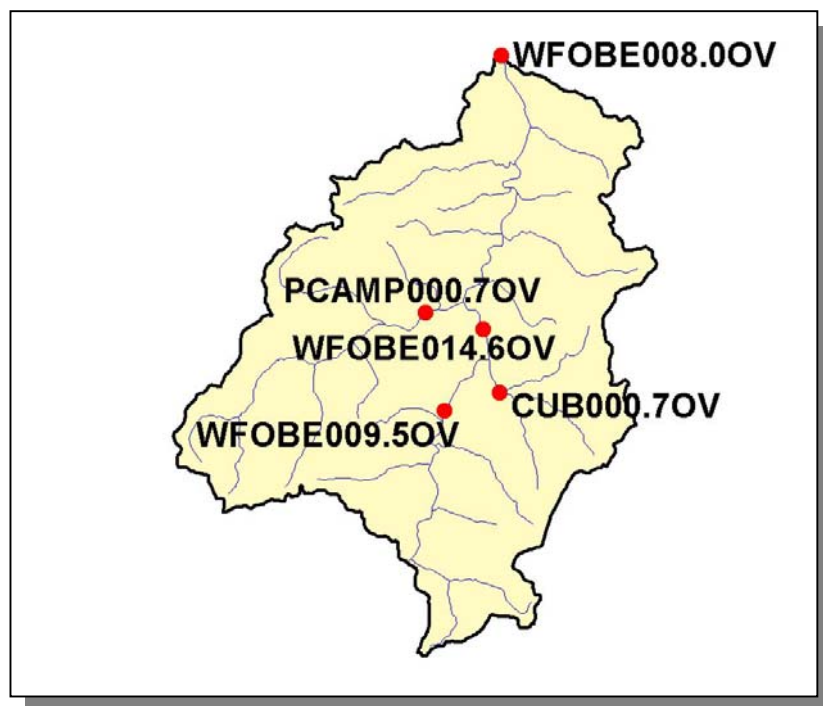
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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Overton	17,636	19,171	20,118	12.23	2,157	2,345	2,461	14.1

***Table 4-65. Population Estimates in Subwatershed 051301050202.***



**Figure 4-70. Location of Historical Streamflow Data Collection Sites in Subwatershed 051301050202.** More information is provided in Appendix IV.



**Figure 4-71. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301050202.** More information, including site names and locations, is provided in Appendix IV.

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**4.2.B.ii.a. Point Source Contributions.**

There are no point source contributions in this subwatershed.

**4.2.B.ii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
442	811	35	<5	24	<5

**Table 4-66. Summary of Livestock Count Estimates in Subwatershed 051301050202.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS							
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens (Broilers Sold)	Hogs	Sheep
Overton	15,150	27,812	1,200	1,173	0	811	59

**Table 4-67. Summary of Livestock Count Estimates in Overton County.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Overton	170.3	170.3	1.7	7.0

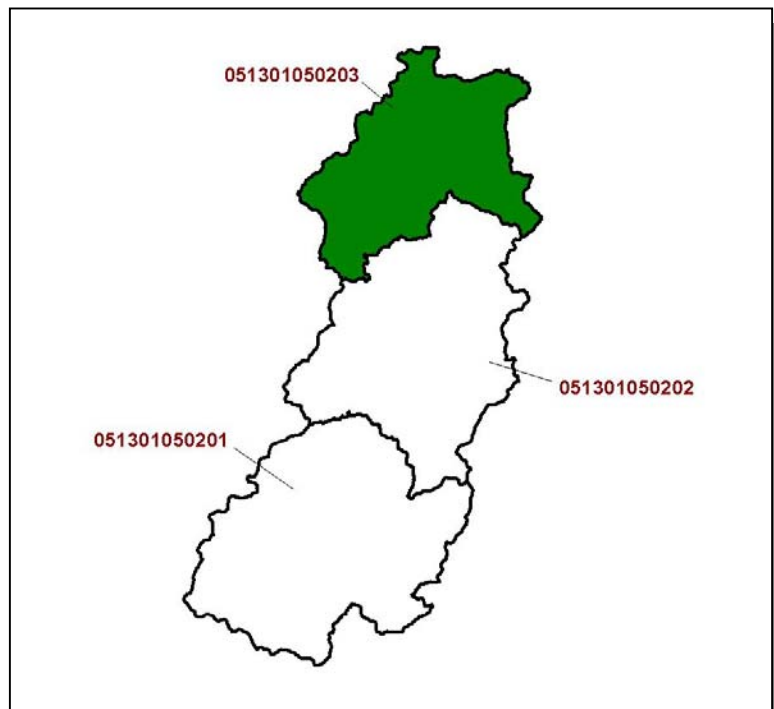
**Table 4-68. Forest Acreage and Annual Removal Rates (1987-1994) in Overton County.**

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.26
Grass (Hayland)	0.31
Legumes, Grass (Hayland)	2.89
Grass, Forbs, Legumes (Mixed Pasture)	0.67
Corn (Row Crops)	4.35
Soybeans (Row Crops)	10.79
Wheat (Close-Grown Cropland)	7.00
Other Vegetable and Truck Crops	21.46
Conservation Reserve Program Lands	0.46
Farmsteads and Ranch Headquarters	0.58

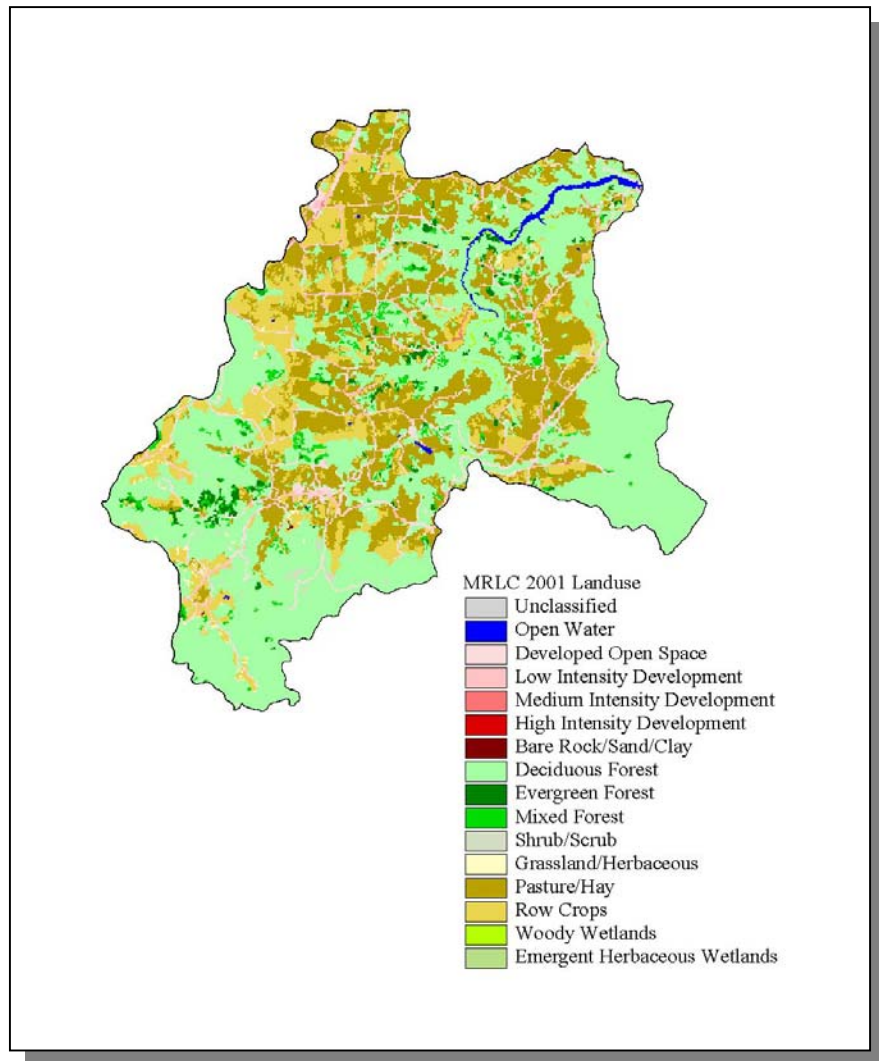
**Table 4-69. Annual Estimated Total Soil Loss in Subwatershed 051301050202.**



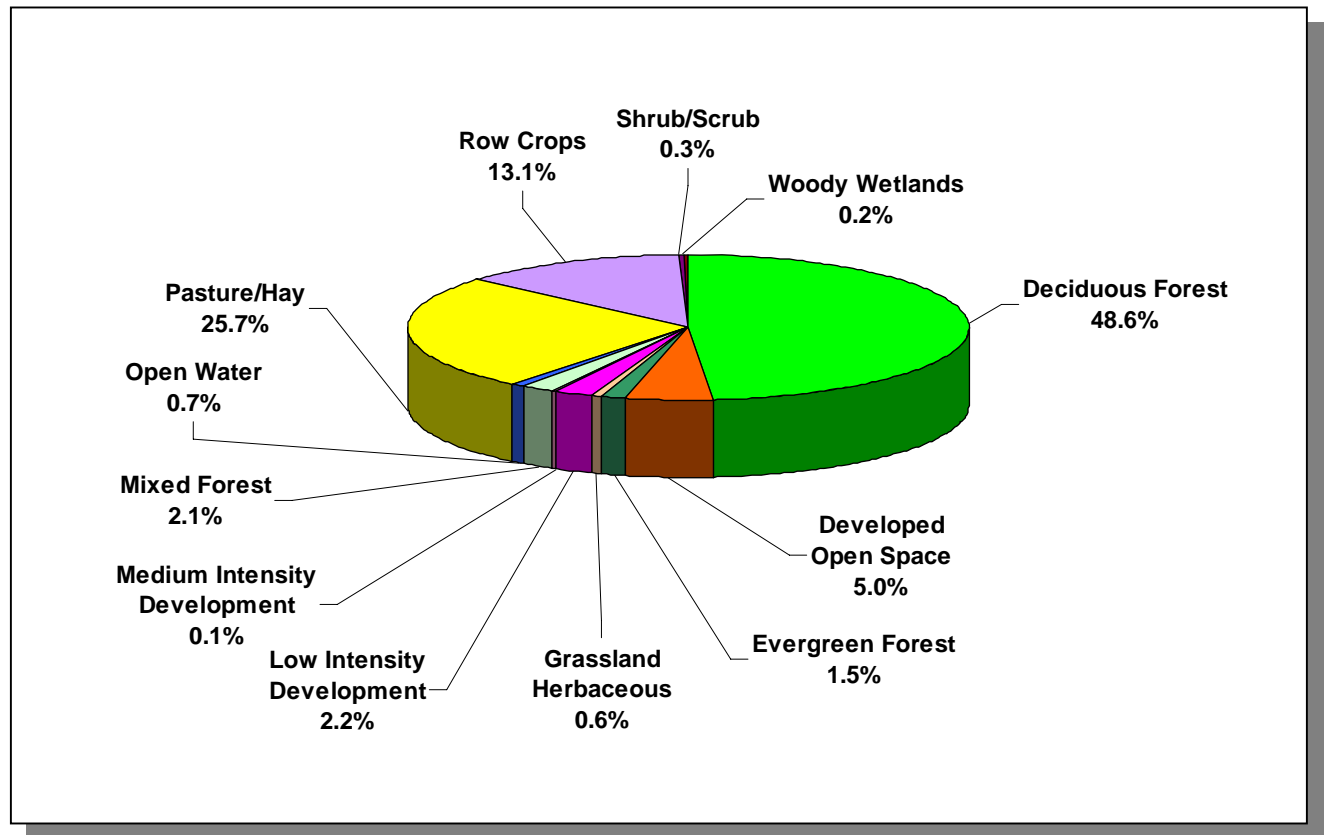
**4.2.B.iii. 051301050203 (West Fork Obey River).**



**Figure 4-72. Location of Subwatershed 051301050203.** All Obey River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

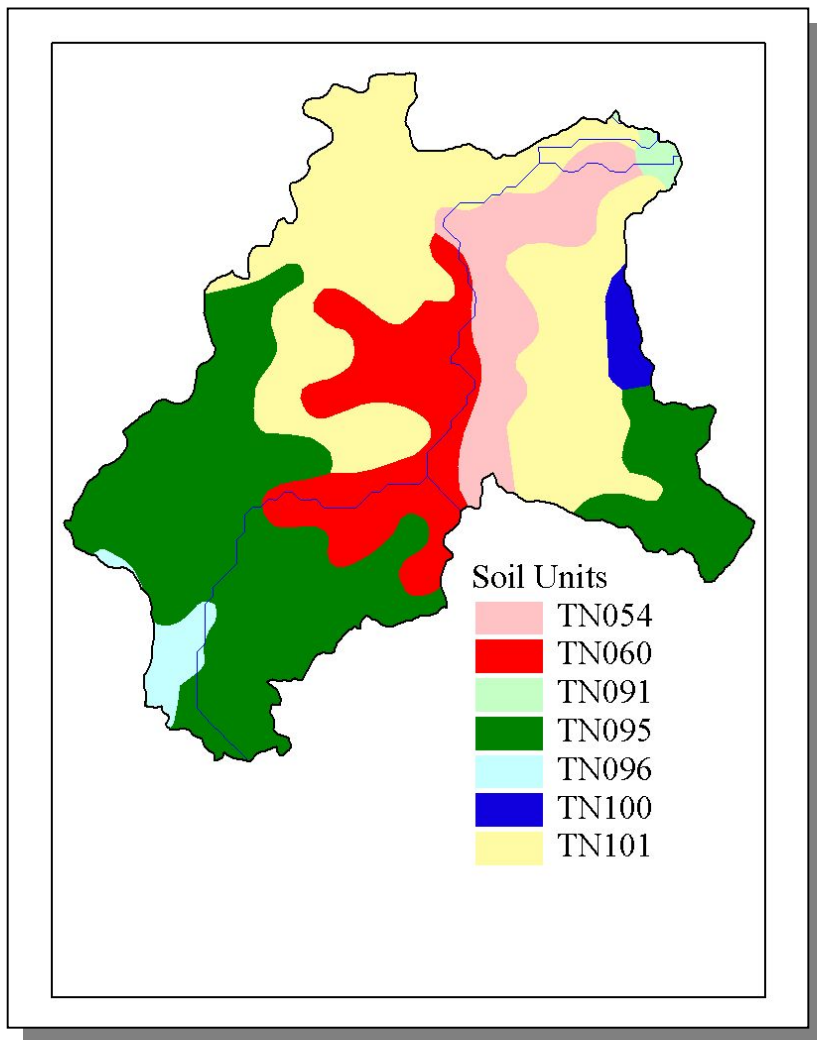


**Figure 4-73. Illustration of Land Use Distribution in Subwatershed 051301050203.**



**Figure 4-74. Land Use Distribution in Subwatershed 051301050203.** More information is provided in Appendix IV.

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**Figure 4-75. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050203.**

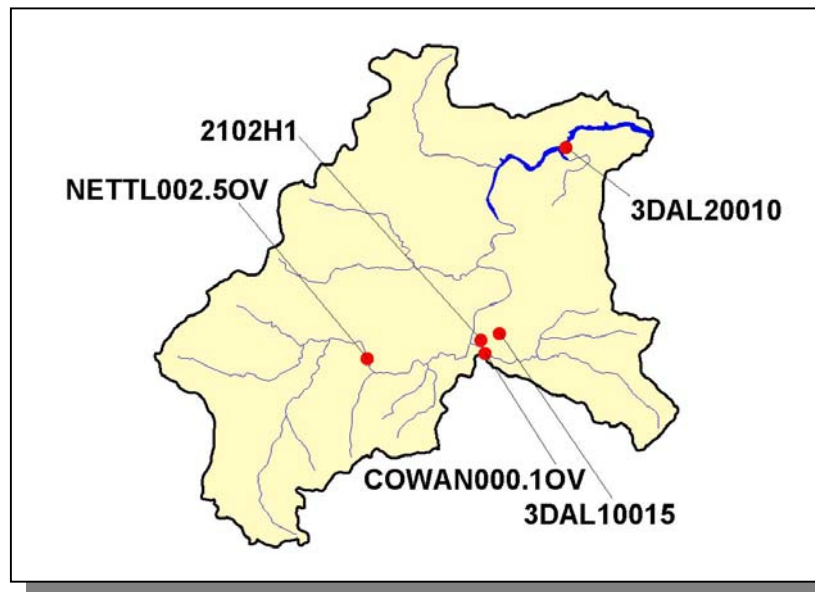
STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN091	0.00	B	2.95	5.86	Loam	0.34
TN095	0.00	B	2.35	5.12	Loam	0.31
TN096	10.00	C	1.22	5.16	Silty Loam	0.38
TN100	0.00	B	1.14	3.35	Silty Loam	0.21

**Table 4-70. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050203.** The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Overton	17,636	19,171	20,118	8.72	1,538	1,672	1,755	14.1
Pickett	4,548	4,631	4,945	0.51	23	23	25	8.7
<b>Total</b>	<b>22,184</b>	<b>23,802</b>	<b>25,063</b>		<b>1,561</b>	<b>1,695</b>	<b>1,780</b>	<b>14.0</b>

**Table 4-71. Population Estimates in Subwatershed 051301050203.**



**Figure 4-76. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301050203.** More information, including site names and locations, is provided in Appendix IV.

**4.2.B.iii.a. Point Source Contributions.**

There are no point source contributions in this subwatershed.

**4.2.B.iii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
1,824	3,347	142	6	96	7

**Table 4-72. Summary of Livestock Count Estimates in Subwatershed 051301050203.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Overton	15,150	27,812	1,200	1,173	811	59
Pickett	5,986	10,864	19	284	99	0

**Table 4-73. Summary of Livestock Count Estimates in Overton and Pickett Counties.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Overton	170.3	170.3	1.7	7.0
Pickett	68.4	68.4	0.2	0.6

**Table 4-74. Forest Acreage and Annual Removal Rates (1987-1994) in Overton and Pickett Counties.**

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.28
Grass (Hayland)	0.31
Legumes, Grass (Hayland)	2.82
Grass, Forbs, Legumes (Mixed Pasture)	0.67
Corn (Row Crops)	4.35
Soybeans (Row Crops)	10.79
Tobacco (Row Crops)	23.18
Wheat (Close-Grown Cropland)	7.00
Other Vegetation and Truck Crops	21.46
Conservation Reserve Program Lands	0.46
Farmsteads and Ranch Headquarters	0.75

**Table 4-75. Annual Estimated Total Soil Loss in Subwatershed 051301050203.**